



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 28073 Report

This analysis was run 04/28/24 on database version 559.

Pham number 28073 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Oaker_69, Damien_69, Phreeze_68, Cborch11_71, Konstantine_73, Beckerton_68
- Track 2 : Thumb_70
- Track 3 : Megatron06_72

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 8, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beckerton_68, Cborch11_71, Damien_69, Konstantine_73, Oaker_69, Phreeze_68, Thumb_70,

Genes that have the "Most Annotated" start but do not call it:

- Megatron06_72,

Genes that do not have the "Most Annotated" start:

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Summary by start number:

Start 6:

- Found in 8 of 8 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Megatron06_72 (H1),

Start 8:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Beckerton_68 (H1), Cborch11_71 (H1), Damien_69 (H1), Konstantine_73 (H1), Oaker_69 (H1), Phreeze_68 (H1), Thumb_70

(H1),

Summary by clusters:

There is one cluster represented in this pham: H1

Info for manual annotations of cluster H1:

- Start number 8 was manually annotated 7 times for cluster H1.

Gene Information:

Gene: Beckerton_68 Start: 52199, Stop: 52357, Start Num: 8

Candidate Starts for Beckerton_68:

(6, 52181), (7, 52184), (Start: 8 @52199 has 7 MA's), (9, 52235), (10, 52352),

Gene: Cborch11_71 Start: 51718, Stop: 51879, Start Num: 8

Candidate Starts for Cborch11_71:

(6, 51700), (7, 51703), (Start: 8 @51718 has 7 MA's), (9, 51757), (10, 51874),

Gene: Damien_69 Start: 51680, Stop: 51841, Start Num: 8

Candidate Starts for Damien_69:

(6, 51662), (7, 51665), (Start: 8 @51680 has 7 MA's), (9, 51719), (10, 51836),

Gene: Konstantine_73 Start: 52511, Stop: 52672, Start Num: 8

Candidate Starts for Konstantine_73:

(6, 52493), (7, 52496), (Start: 8 @52511 has 7 MA's), (9, 52550), (10, 52667),

Gene: Megatron06_72 Start: 52239, Stop: 52418, Start Num: 6

Candidate Starts for Megatron06_72:

(6, 52239), (7, 52242), (Start: 8 @52257 has 7 MA's), (9, 52296), (10, 52413),

Gene: Oaker_69 Start: 52310, Stop: 52468, Start Num: 8

Candidate Starts for Oaker_69:

(6, 52292), (7, 52295), (Start: 8 @52310 has 7 MA's), (9, 52346), (10, 52463),

Gene: Phreeze_68 Start: 51277, Stop: 51435, Start Num: 8

Candidate Starts for Phreeze_68:

(6, 51259), (7, 51262), (Start: 8 @51277 has 7 MA's), (9, 51313), (10, 51430),

Gene: Thumb_70 Start: 51712, Stop: 51870, Start Num: 8

Candidate Starts for Thumb_70:

(1, 51310), (2, 51457), (3, 51514), (4, 51517), (5, 51592), (6, 51694), (7, 51697), (Start: 8 @51712 has 7 MA's), (9, 51748), (10, 51865),